| Ref<br>#         | Hits  | Search Query                                                                                    | DBs                                                               | Default<br>Operator | Plurals | Time Stamp       |
|------------------|-------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------------|---------|------------------|
| L4               | 1474  | 250/214.1.ccls.                                                                                 | USPAT                                                             | OR                  | ON      | 2005/05/30 11:22 |
| L5               | 1148  | 250/216.ccls.                                                                                   | USPAT                                                             | OR                  | ON      | 2005/05/30 11:22 |
| L6               | 2144  | 257/432,436,437.ccls.                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/30 11:22 |
| L7               | 11021 | 385/14,48,49,51,88,89,92,94,<br>129-131.ccls.                                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/30 11:22 |
| L8               | 15570 | L4 or L5 or L6 or L7                                                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/30 11:22 |
| L9               | 3138  | L8 and (waveguide or (wave near guide)) and power                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR .                | ON      | 2005/05/30 11:32 |
| L10              | 651   | L8 and (planar near (waveguide or (wave near guide))) and power                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/30 11:23 |
| L11              | 39    | L8 and (planar near (waveguide or (wave near guide))) and power near (propagat\$4 or travel\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/30 11:24 |
| L13 <sub>.</sub> | 10    | L8 and (waveguide or (wave near guide)) and transverse-coupling                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/30 11:37 |
| L14              | 34    | L8 and (waveguide or (wave near guide)) and (transverse near coupl\$4)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/30 11:39 |

| IBM_TDB |  | L15 | 30 | L14 and power | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | OR | ON | 2005/05/30 11:39 |
|---------|--|-----|----|---------------|-------------------------------------------------------------------|----|----|------------------|
|---------|--|-----|----|---------------|-------------------------------------------------------------------|----|----|------------------|

| C1C | 110   | C45 (inhormald4                                    | LICDAT                                                            | 00 | 011 | 2005/05/26 42 40 |
|-----|-------|----------------------------------------------------|-------------------------------------------------------------------|----|-----|------------------|
| S16 | 110   | S15 and (internal\$4 near3 reflect\$4)             | USPAT                                                             | OR | ON  | 2005/05/26 12:48 |
| S17 | 21    | S14 not S16                                        | USPAT                                                             | OR | ON  | 2005/05/26 10:19 |
| S18 | 2144  | 257/432,436,437.ccls.                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/26 10:43 |
| S19 | 806   | (S13 or S15) and (semiconductor or semi-conductor) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/26 12:48 |
| S20 | 1484  | S18 and (semiconductor or semi-conductor)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/26 10:47 |
| S21 | 11019 | 385/14,48,49,51,88,89,92,94,<br>129-131.ccls.      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/26 12:48 |
| S22 | 629   | S21 and (internal\$4 near3 reflect\$4)             | USPAT                                                             | OR | ON  | 2005/05/26 12:57 |
| S23 | 314   | S22 and (semiconductor or semi-conductor)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/26 12:48 |
| S24 | 76    | S20 and (internal\$4 near3 reflect\$4)             | USPAT                                                             | OR | ON  | 2005/05/26 12:57 |
| S25 | 56256 | "nippon telegraph".as.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/27 11:57 |
| S26 | 6135  | S25 and semiconductor                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/27 11:57 |

| S27 | 12  | S25 and (internal near reflection) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/27 11:58 |
|-----|-----|------------------------------------|-------------------------------------------------------------------|----|----|------------------|
| S28 | 845 | S25 and reflection                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/27 11:58 |
| S29 | 58  | S28 and refraction                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/30 11:22 |

| Ref<br>#  | Hits | Search Query                                           | DBs                                                               | Default<br>Operator | Plurals | Time Stamp       |
|-----------|------|--------------------------------------------------------|-------------------------------------------------------------------|---------------------|---------|------------------|
| S1        | 2    | "20040129935".pn.                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/24 18:15 |
| <b>S2</b> | 18   | jackson-jerome.xp. and nippon                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/25 10:03 |
| S3        | 1159 | 257/432,436,437.ccls.                                  | USPAT                                                             | OR                  | ON      | 2005/05/25 14:05 |
| S4        | 753  | S3 and reflect\$3                                      | USPAT                                                             | OR                  | ON      | 2005/05/25 09:53 |
| S5        | 1    | "6770945".pn.                                          | USPAT                                                             | OR                  | ON      | 2005/05/25 10:00 |
| S6        | 4    | ("4182545"   "4784452"  <br>"5596210"   "5767560").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR                  | ON      | 2005/05/25 10:00 |
| S7        | 7    | "6353250".pn.                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/25 10:01 |
| S8        | 4    | ("4127862"   "4210923"  <br>"4232219"   "5218223").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR                  | ON      | 2005/05/25 10:01 |
| S9        | 1    | ("6353250").URPN.                                      | USPAT                                                             | OR                  | ON      | 2005/05/25 10:02 |
| S10       | 55   | fukano-hideki.in.                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/27 11:53 |
| S11       | 2140 | 257/432,436,437.ccls.                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/05/25 14:06 |
| S12       | 85   | S11 and (internal\$4 near3 reflect\$4)                 | USPAT                                                             | OR                  | ON      | 2005/05/25 15:15 |
| S13       | 1474 | 250/214.1.ccls.                                        | USPAT                                                             | OR                  | ON      | 2005/05/26 10:17 |
| S14       | 24   | S13 and (internal\$4 near3 reflect\$4)                 | USPAT                                                             | OR                  | ON      | 2005/05/26 10:18 |
| S15       | 1148 | 250/216.ccls.                                          | USPAT                                                             | OR                  | ON      | 2005/05/26 10:18 |